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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/623,680	07/22/2003	Yoji Fujita	360842010400	5085
7590 01/08/2004			EXAMINER	
Barry E. Bretschneider Morrison & Foerster LLP			CHU, JOHN S Y	
Suite 300			ART UNIT	PAPER NUMBER
1650 Tysons Bo McLean, VA			1752	

DATE MAILED: 01/08/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No. Applicant(s) 10/623,680 FUJITA ET AL. Examiner Art Unit John S. Chu 1752

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM

THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.135(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- after SIX (e) WON LCS from the meaning date of this communication, if the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this con

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DETAILED ACTION

This Office action is in response to the application July 22, 2003.

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claim 2 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The formula (2) in claim 2 refers back to the solvent in claim 1 and fails to further limit the solvent compound of formula (1) because technically the compound of formula (II) is a different compound from those of formula (I). Correction is necessary.

 The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

SANDFORD discloses a polyglutarimide resin for photoresist composition wherein the solvent used in the composition can be any of the listed solvents in column 3, line 61 – column 4, line 11. This reference lacks the claimed heat resistant resin precursor polymer as claimed as however does suggest acetol as a solvent for dissolving the polyglutarimide and sensitizers.

WAKATA et al disclose a photosensitive resin comprising a derivative of an acrylamide wherein the solvent used to dissolve the components include diacetone alcohol.

MIKABE et al, HIRANO et al '381 and 584, MINEGISHI et al and BANBA et al, disclose the state of the art of composition comprising polyimide precursors and

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polybenzoxazole precursors. The references fails to disclose solvents as recite and claimed in the current application.

4. Claims 1 and 3-12 are allowed.

None of the prior art references of record disclose the claimed photosensitive resin precursor composition having the solvent of formula (I) or (II). The cited references of record fail to teach or suggest a hydroxy-methyl butanone or the cyclic ketone solvents which are fall within the scope of formula (I) and (II).

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Chu whose telephone number is (571) 272-1329. The examiner can normally be reached on Monday - Friday from 9:30 am to 6:00 pm.

The fax phone number for the USPTO is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0661.

John S. Chu

Primary Examiner, Group 1700

J.Chu

December 12, 2003